

**ABSTRACT**

**SUITABILITY LEVEL OF ANTIVIRAL THERAPY INDICATION ON  
CHRONIC HEPATITIS B PATIENTS IN DR. SOETOMO GENERAL  
HOSPITAL SURABAYA ACCORDING TO 2012 PPHI GUIDELINES**

**Introduction:** Indications of antiviral therapy given by the clinician to chronic hepatitis B patients at Dr. Soetomo General Hospital isn't known with certainty whether it's suitable with the chronic hepatitis B therapeutic indications algorithm of Indonesian Liver Research Association (PPHI).

**Objective:** To evaluate the indications of antiviral therapy among chronic hepatitis B patients at department of Internal Medicine Dr. Soetomo General Hospital Surabaya.

**Methods:** This is a descriptive retrospective study and was performed by evaluating medical record of chronic hepatitis B patients.

**Result:** The study showed that of a total of 458 patients of chronic hepatitis B during 2017, there were 172 patients who got antiviral therapy. Among those patients who got antiviral therapy, there were 151 patients who have 3 laboratory result for therapy indication criteria. Chronic hepatitis B patients who got antiviral therapy was common in male with 139 patients (80,8%), mostly in the 35-44 age group with 39 patients (22,7%) and majority live in Surabaya with 113 patients (65,7%). Based on laboratory examination data, there were 157 patients (91,3%) who have positive HBeAg status, 165 patients (96%) who have HBV DNA score  $\geq 2 \times 10^4$  IU/mL, and 153 patients (89%) who have ALT  $> 2 \times$  normal upper limit score. The comparison showed that 134 (77,9%) patients who got suitability antiviral therapy according to the 2012 PPHI guidelines.

**Conclusion:** It can be conclude that the clinical practitioner Dr. Soetomo General Hospital Surabaya still adheres to the chronic hepatitis B guidelines.

**Keywords:** Therapy indications, Chronic Hepatitis B, Antiviral.